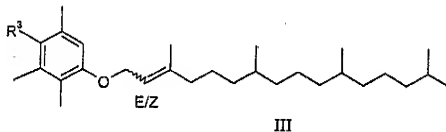


BONRATH et al. – Appln. No. 10/571,261

EXAMINER'S AMENDMENT /JK/
06/30/2009**CLAIMS IF THE PROPOSED EXAMINER'S AMENDMENT WERE ENTERED**

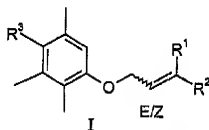
1. (Previously Presented) A process for the manufacture of compounds represented by the following formula III



wherein R3 is C2-5-alkanoyloxy,

by the reaction of

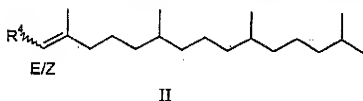
a) a compound represented by the following formula I



wherein R¹ and R² are independently from each other H or C1-5-alkyl, with the proviso that at least one of R¹ and R² is not H, and

wherein R³ is as defined above, with

b) a compound represented by the following formula II



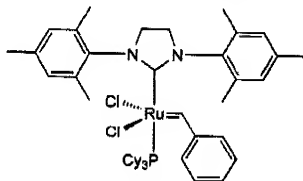
wherein R⁴ is H or CH₂-R₅,

wherein R₅ is formyloxy, C2-5-alkanoyloxy, benzoyloxy, C1-5-alkoxy or OSiR₆R₇R₈,

wherein R₆, R₇ and R₈ are independently from each other C1-6-alkyl or phenyl,

BONRATH et al. – Appln. No. 10/571,261

in the presence of a cross-metathesis catalyst, wherein the cross-metathesis catalyst is



wherein Cy is cyclohexyl.

2-5. Canceled.

6. (Previously Presented) The process as claimed in claim 1, wherein the reaction is carried out in an aprotic organic solvent.

7. (Original) The process as claimed in claim 6, wherein the aprotic organic solvent is a dialkyl ether R18-O-R19, tetrahydrofuran, tetrahydropyran, 1,4-dioxane, methylene chloride, chloroform, cumene, an optionally once, twice or thrice methylated arylene, or a mixture thereof, wherein R18 and R19 are independently from each other linear C1-4-alkyl or branched C3-8-alkyl.

8. (Previously Presented) The process as claimed in claim 7, wherein the aprotic organic solvent is tetrahydrofuran, methylene chloride, chloroform, toluene or a mixture thereof.

BONRATH et al. – Appln. No. 10/571,261

9. (Previously Presented) The process as claimed in claim 6, wherein from about 3 ml to about 15 ml of the aprotic organic solvent are used per mmol of compound a) or b), whichever is used in the lesser amount.

10. (Previously Presented) The process as claimed in claim 1, wherein the reaction is carried out essentially in the absence of an additional solvent.

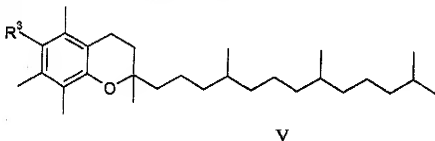
11. (Previously Presented) The process as claimed in claim 10, wherein the reaction is carried out in vacuo.

12. (Previously Presented) The process as claimed in claim 1, wherein the relative amount of the cross-metathesis catalyst to the amount of compound a) or b), whichever is used in the lesser amount, is from about 0.0001 mol% to about 20 mol%.

13. (Previously Presented) The process according to claim 1, wherein the molar ratio of compound a) to compound b) present in the reaction mixture is from about 1:10 to about 10:1.

14. (Previously Presented) The process as claimed in claim 1 wherein the reaction is carried out at temperatures from about 10°C to about 120°C.

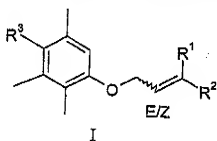
15. (Previously Presented) A process for the manufacture of α -tocopheryl alkanoates represented by the following formula V



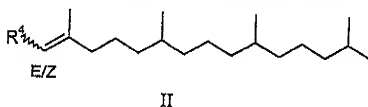
comprising the following steps:

BONRATH et al. – Appln. No. 10/571,261

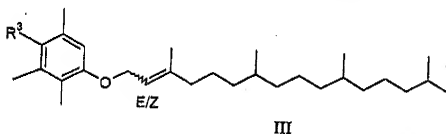
i) reacting of a compound represented by the following formula I



with a compound represented by the following formula II

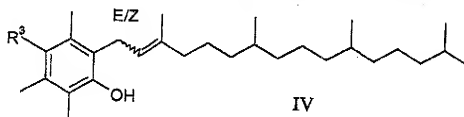


to a compound represented by the following formula III



in the presence of a cross-metathesis catalyst,

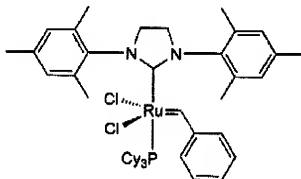
ii) subjecting the compound represented by the formula III and obtained in step i) to a rearrangement to the compound represented by the following formula IV, and



iii) subjecting the compound represented by the formula IV and obtained in step ii) to a cyclization to the compound represented by the formula V,

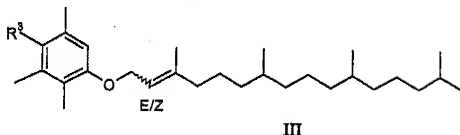
BONRATH et al. – Appln. No. 10/571,261

wherein R1, R2, R3 and R4 are as defined in claim 1 ,
wherein the cross-metathesis catalyst is



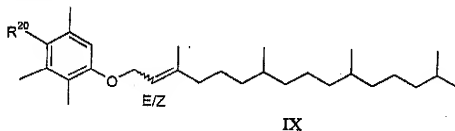
and wherein Cy is cyclohexyl.

16. (Original) Compounds of the formula III



wherein R3 is C2-5-alkanoyloxy.

17. (Original) Compounds of the formula IX



wherein R20 is C3-5-alkanoyloxy.

18-19. Canceled.

BONRATH et al. – Appln. No. 10/571,261

20. (Previously Presented) The process as claimed in claim 7, wherein the aprotic organic solvent is toluene.
21. (Previously Presented) The process as claimed in claim 6, wherein from about 4 ml to about 10 ml of the aprotic organic solvent are used per mmol of compound a) or b), whichever is used in the lesser amount.
22. (Previously Presented) The process as claimed in claim 6, wherein from about 4.5 ml to about 8 ml of the aprotic organic solvent are used per mmol of compound a) or b), whichever is used in the lesser amount.
23. (Previously Presented) The process as claimed in claim 10, wherein the reaction is carried out at a pressure below 100 mbar.
24. (Previously Presented) The process as claimed in claim 1, wherein the relative amount of the cross-metathesis catalyst to the amount of compound a) or b), whichever is used in the lesser amount, is from about 1.0 mol% to about 10 mol%.
25. (Previously Presented) The process as claimed in claim 1, wherein the relative amount of the cross-metathesis catalyst to the amount of compound a) or b), whichever is used in the lesser amount, is from about 2 to about 5 mol%.
26. (Previously Presented) The process according to claim 1, wherein the molar ratio of compound a) to compound b) present in the reaction mixture is from about 1:5 to about 5:1.
27. (Previously Presented) The process according to claim 1, wherein the molar ratio of compound a) to compound b) present in the reaction mixture is from about 1:3 to about 1:2.5.

BONRATH et al. – Appln. No. 10/571,261

28. (Previously Presented) The process as claimed in claim 1 wherein the reaction is carried out at temperatures from about 30°C to about 100°C.

29. (Previously Presented) The process as claimed in claim 1 wherein the reaction is carried out at temperatures from about 40°C to about 85°C.